

In The Claims

In accordance with 37 C.F.R. § 1.121, please substitute the following clean copy text for the pending claims of the same number.

1. (Once Amended) Apparatus for representing entitlements for instances of services having entitlement IDs associated therewith in a receiver, the apparatus comprising:

A3 a port for receiving instances of service and at least a first message having an entitlement

ID associated with a given instance of service;

a memory having a starting entitlement ID and an indexed map of entitlement values for entitlements associated with instances of service, wherein the starting entitlement ID is used with the entitlement ID associated with the given instance of service to determine an index into the map for determining the entitlement value associated with the given instance of service, responsive to the entitlement value being a predetermined value, the receiver is entitled to the given instance of a service, and responsive to the receiver being entitled, the receiver grants access to the given instance of service.

A4 3. (Once Amended) The apparatus of claim 2, wherein the starting entitlement ID corresponds to the first entitlement ID in the sequence of entitlement IDs.

7. (Once Amended) The apparatus of claim 3, wherein:

A5 the map is represented by an array of elements having entitlement values that represent the presence or absence of entitlement; and

the index into the map is the difference in the sequence of entitlement IDs between the starting entitlement ID and the entitlement ID associated with the given instance of service.

13. (Once Amended) The apparatus of claim 12, wherein:

A6 the memory includes at least a second map and at least a second starting entitlement ID, wherein the first map and the first starting entitlement ID are associated with a first entitlement agent, and the at least second map and the at least second starting entitlement ID are associated with at least a second entitlement agent, wherein the first message specifies the first entitlement agent and a second message specifies the at least second entitlement agent, responsive to the second message the at least second map and the at least second starting entitlement ID are set.

16. (Once Amended) The method of claim 15, wherein the map represents a sequence of entitlement IDs.

17. (Once Amended) The method of claim 16, wherein the starting entitlement ID is the first entitlement ID in the sequence of entitlement IDs.

A7 18. (Once Amended) The method of claim 17, wherein the sequence of entitlement IDs is a list.

19. (Once Amended) The method of claim 17, wherein the sequence of entitlement IDs is contiguous in the memory.

20. (Once Amended) The method of claim 19, wherein the map is a bit map representing the presence or absence of entitlements for the receiver for instances of service.

21. (Once Amended) The method of claim 17, wherein:

the map is represented by an array whose elements have entitlement values that represent the presence or absence of entitlement; and

the difference between the starting entitlement ID and the entitlement ID of the given instance of service is used to determine the index value for an element in the array, wherein the element having the index value represents the entitlement value of the given instance of service.

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23. (Once Amended) The method of claim 15, wherein:
the receiver is given entitlements by at least one entitlement agent; and the method
further includes the steps of:
putting a specification of a given entitlement agent in the message, wherein the receiver
uses the specification to locate a list whose elements include an apparatus for
representing entitlements and uses the representation of entitlements in the
message to set the apparatus in the list for the given entitlement agent.

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29. (Once Amended) A receiver for receiving instances of service and entitlement IDs
associated therewith and entitlement values for the entitlement IDs, the receiver comprising:
a memory having a starting entitlement ID and an indexed map of entitlement values
that have been given to the receiver stored therein, wherein the map of
entitlement values includes a particular entitlement value for a given instance of
service having a particular entitlement ID associated therewith;
a processor in communication with the memory adapted to use the starting entitlement
ID in conjunction with the particular entitlement ID associated with the given
instance of service to determine an index into the map for determining the
particular entitlement value, wherein responsive to the particular entitlement
value being a predetermined value, the receiver is entitled to the given instance
of service, and responsive to the receiver being entitled the processor [the
entitlement of the receiver for the given instance of service, and wherein the
receiver] grants access to the given instance of service.

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31. (Once Amended) The receiver of claim 30, wherein the sequence of entitlement IDs
corresponds to a discrete list of entitlement IDs.